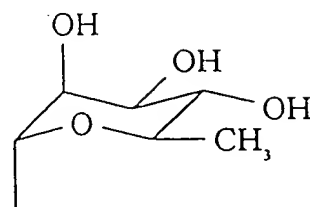
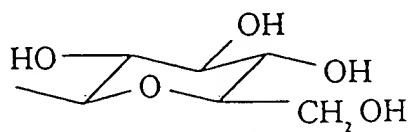


R_1

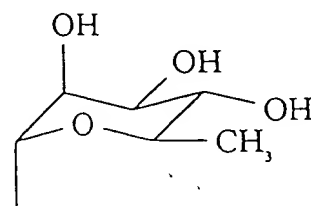
R_2

Anthocyanin 1
(cyanidin-3-glucosylrutinoside)



Anthocyanin 2
(cyanidin-3-rutinoside)

H

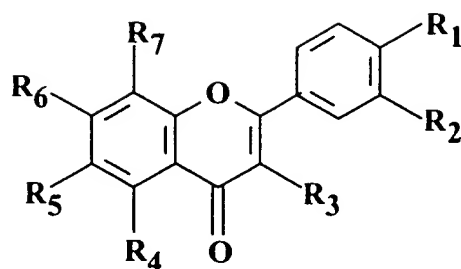


Anthocyanin 3
(cyanidin-3-glucoside)

H

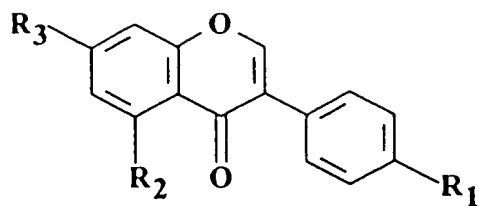
H

FIGURE 1



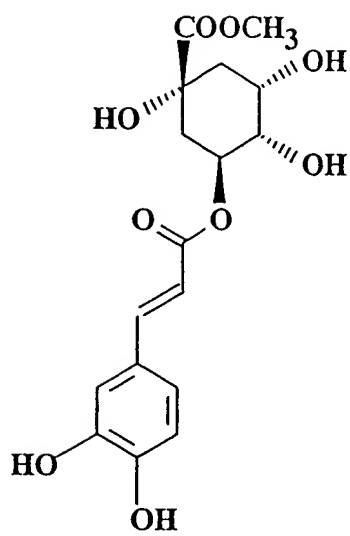
Compound	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇
Quercetin	OH	OH	OH	OH	H	OH	H
Kaempferol	OH	H	OH	OH	H	OH	H
Luteolin	OH	OH	H	OH	H	OH	H
Quercetrin	OH	OH	rhamnose	OH	H	OH	H
Kaempferol 3-rutinoside	OH	H	rutinoside	OH	H	OH	H
3'-methoxy kaempferol 3-rutinoside	OH	OMe	rutinoside	OH	H	OH	H
5,8,4'-trihydroxyl-6,7-dimethoxyflavone	OH	H	H	OH	OMe	OH	OMe

FIGURE 2

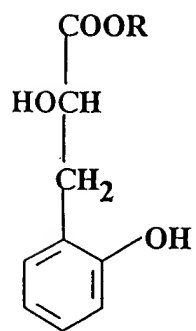


Compound	R ₁	R ₂	R ₃
Genistein	OH	OH	OH
Genistin	OH	OH	glucose
Biochanin A	OMe	OH	OH
Daidzein	OH	H	OH
Formononetin	OMe	H	OH

FIGURE 3

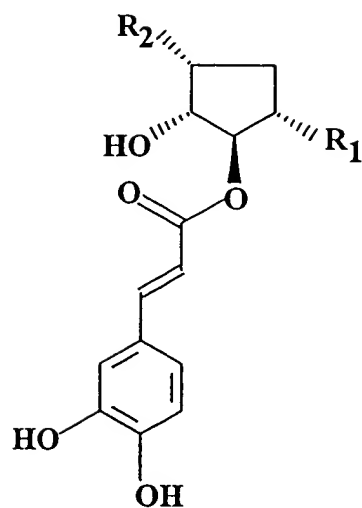


1



2 R = H

5 R = CH₃



3 R₁ = OH, R₂ = H

4 R₁ = H, R₂ = OH

FIGURE 4

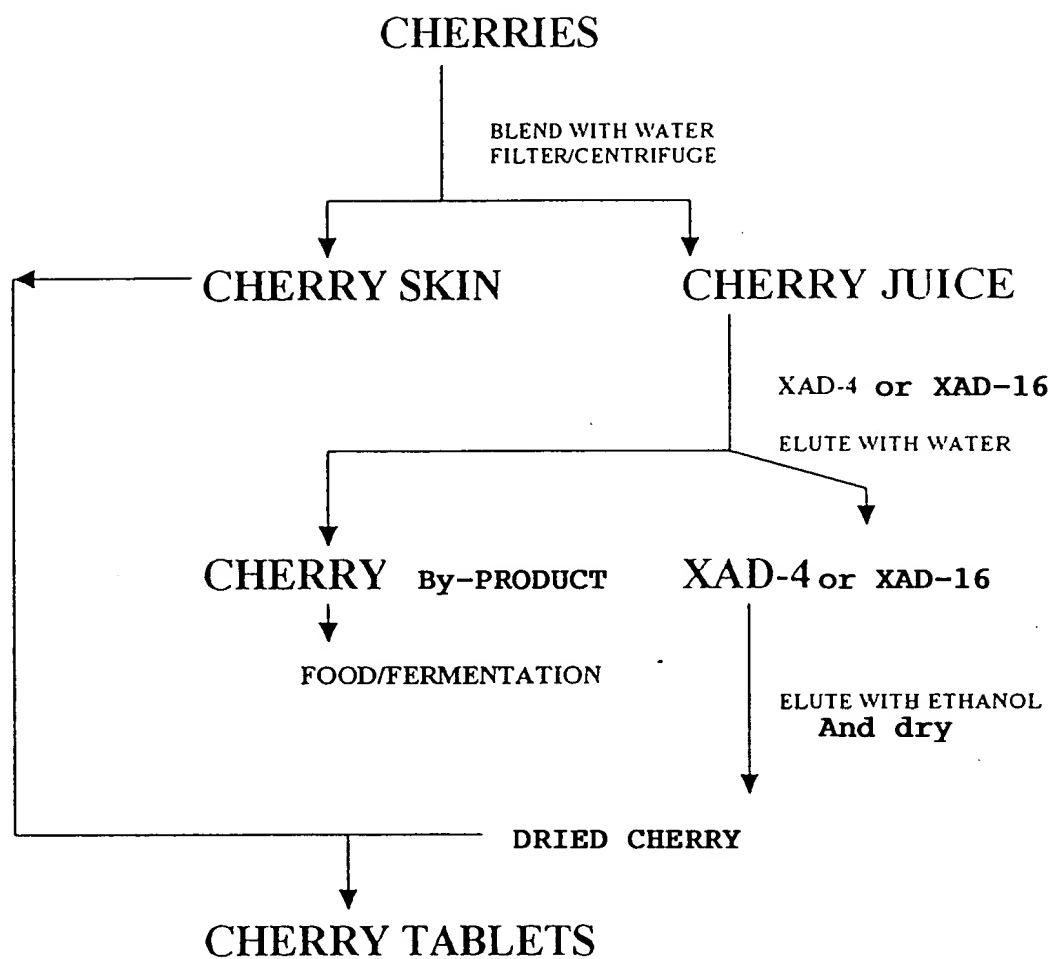


FIGURE 5

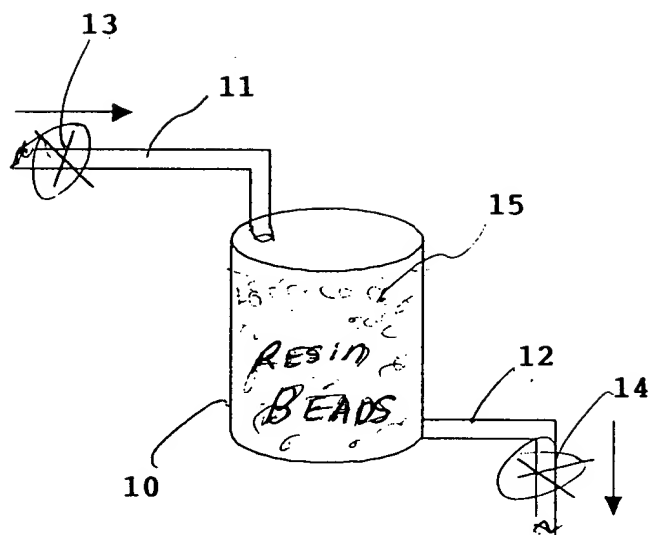


FIGURE 6

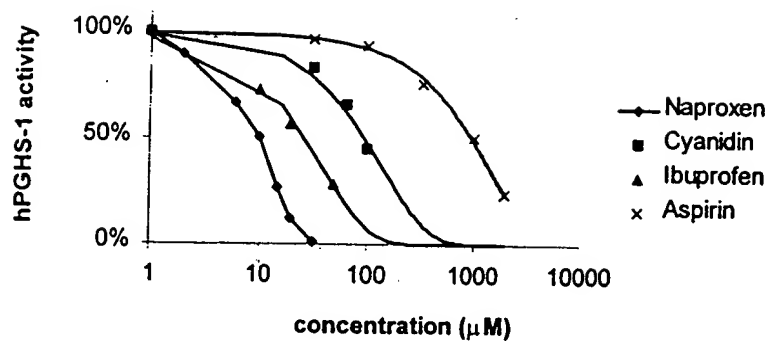


FIGURE 7

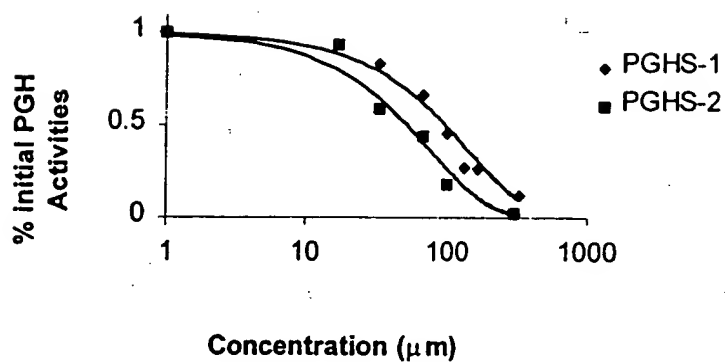


FIGURE 8

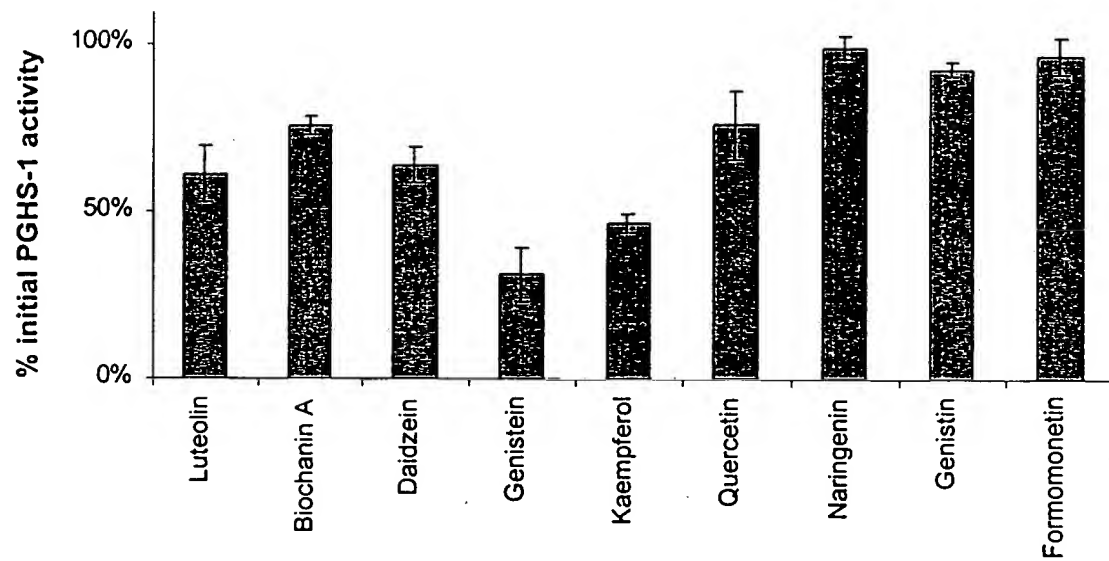


FIGURE 9

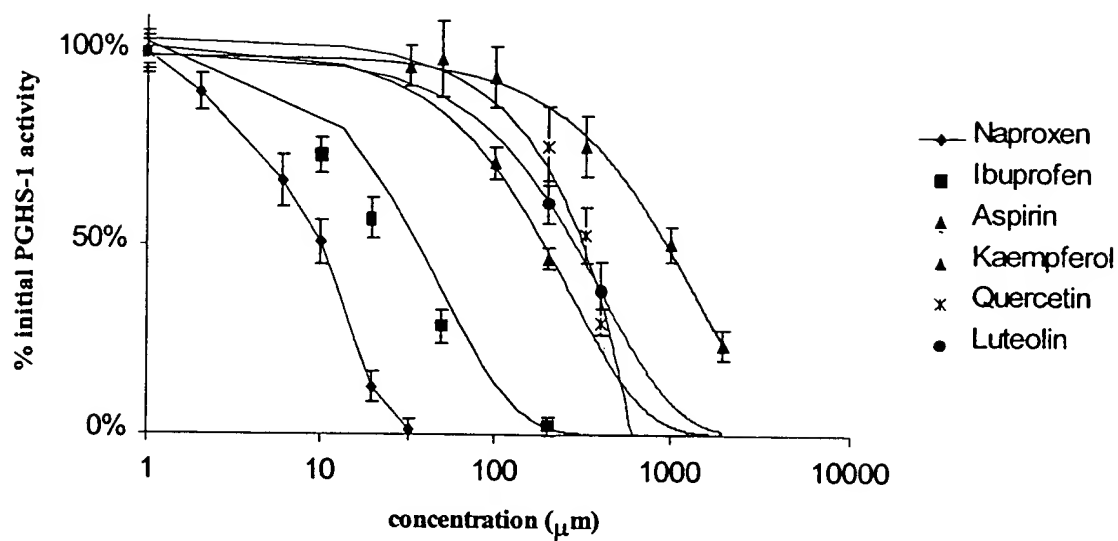


FIGURE 10

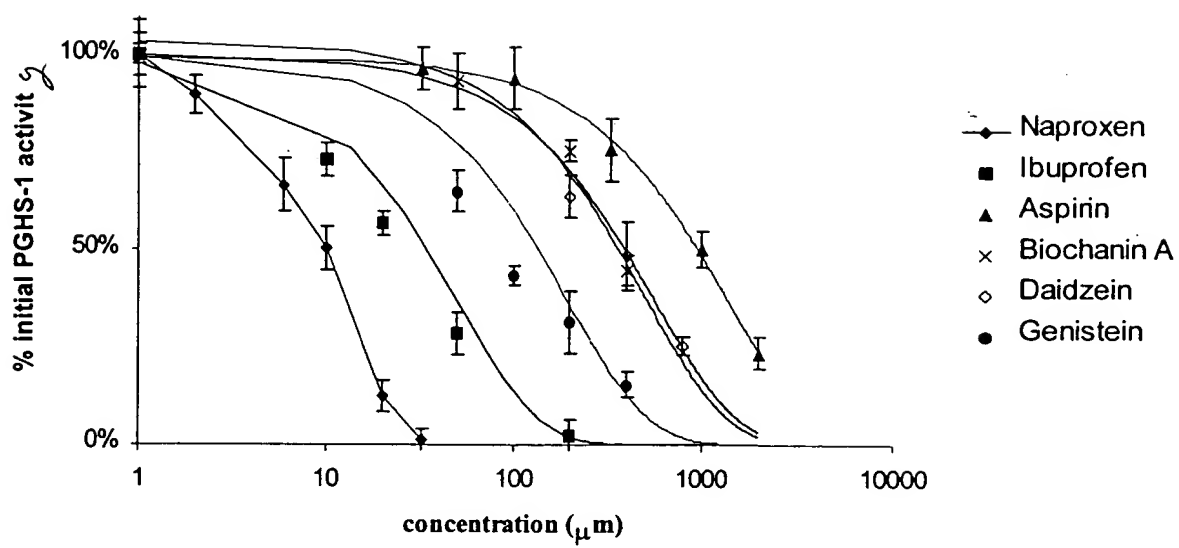


FIGURE 11